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1. **Polarization-division multiplexed solitons in optical fibers with polarization-mode dispersion**
Xiupu Zhang; Karlsson, M.; Andrekson, P.A.; Koltveit, E.;
Photonics Technology Letters, IEEE
Volume 10, Issue 12, Dec. 1998 Page(s):1742 - 1744
IEEE JNL
2. **Interference detection enabling 2×20 Gbit/s RZ polarisation division multiplex transmission**
Hinz, S.; Sandel, D.; Wust, F.; Noe, R.;
Electronics Letters
Volume 37, Issue 8, 12 Apr 2001 Page(s):511 - 512
IEE JNL
3. **Power unbalanced polarization-division-multiplexing for efficient bandwidth utilization**
Hayee, M.I.; Cardakli, M.C.; Willner, A.E.;
Lasers and Electro-Optics, 1999. CLEO '99. Summaries of Papers Presented at the Conference on
23-28 May 1999 Page(s):181 - 182
IEEE CNF
4. **40 Gb/s single-channel soliton transmission over transoceanic distances by reducing Gordon-Haus timing jitter and soliton-soliton interaction**
Morita, I.; Tanaka, K.; Edagawa, N.; Suzuki, M.;
Lightwave Technology, Journal of
Volume 17, Issue 12, Dec. 1999 Page(s):2506 - 2511
IEEE JNL
5. **Crosstalk detection schemes for polarization division multiplex transmission**
Noe, R.; Hinz, S.; Sandel, D.; Wust, F.;
Lightwave Technology, Journal of
Volume 19, Issue 10, Oct. 2001 Page(s):1469 - 1475
IEEE JNL
6. **5.94-Tb/s 1.49-b/s/Hz (40/spl times/2/spl times/2/spl times/40 Gb/s) RZ-DQPSK polarization-division multiplex C-band transmission over 324 km**
Bhandare, S.; Sandel, D.; Milivojevic, B.; Hidayat, A.; Fauzi, A.A.; Hongbin Zhang; Ibrahim, S.K.; Wust, F.; Noe, R.;
Photonics Technology Letters, IEEE
Volume 17, Issue 4, April 2005 Page(s):914 - 916
IEEE JNL
7. **Optical NRZ 2×10 Gbit/s polarisation division multiplex transmission with endless polarisation control driven by correlation signals**
Hinz, S.; Sandel, D.; Noe, R.; Wust, F.;
Electronics Letters
Volume 36, Issue 16, 3 Aug. 2000 Page(s):1402 - 1403
IEE JNL
8. **10 Gbit/s four-channel wavelength- and polarisation-division multiplexing transmission over 340 km with 0.5 nm channel spacing**
Sekine, K.; Sasaki, S.; Kikuchi, N.;

Electronics Letters

Volume 31, Issue 1, 5 Jan. 1995 Page(s):49 - 50

IEE JNL

9. **Polarization division multiplexing with subpicosecond solitons**
Pereira, J.L.; Janeiro, F.M.; Paiva, C.R.;
Lasers and Electro-Optics Society Annual Meeting, 1997. LEOS '97 10th Annual Meeting. Conference Proceedings.,
IEEE
Volume 1, 10-13 Nov. 1997 Page(s):379 - 380 vol.1
IEEE CNF

10. **Polarization mode dispersion detected by arrival time measurement of polarization-scrambled light**
Noe, R.; Sandel, D.; Mirvoda, V.; Wust, F.; Hinz, S.;
Lightwave Technology, Journal of
Volume 20, Issue 2, Feb. 2002 Page(s):229 - 235
IEEE JNL

11. **Optical polarization division multiplexing at 4 Gb/s**
Hill, P.M.; Olshansky, R.; Burns, W.K.;
Photonics Technology Letters, IEEE
Volume 4, Issue 5, May 1992 Page(s):500 - 502
IEEE JNL

12. **Highly spectrum efficient OFDM/PDM wireless networks by using optical SSB modulation**
Kitayama, K.;
Lightwave Technology, Journal of
Volume 16, Issue 6, June 1998 Page(s):969 - 976
IEEE JNL

13. **Measurement of the differential group delay in installed optical fibers using polarization multiplexed solitons**
Bakhshi, B.; Hansryd, J.; Andrekson, P.A.; Brentel, J.; Kolltveit, E.; Olsson, B.K.; Karlsson, M.;
Photonics Technology Letters, IEEE
Volume 11, Issue 5, May 1999 Page(s):593 - 595
IEEE JNL

14. **Observation of PMD-induced coherent crosstalk in polarization-multiplexed transmission**
Nelson, L.E.; Nielsen, T.N.; Kogelnik, H.;
Photonics Technology Letters, IEEE
Volume 13, Issue 7, July 2001 Page(s):738 - 740
IEEE JNL

15. **Doubling of bandwidth utilization using two orthogonal polarizations and power unbalancing in a polarization-division-multiplexing scheme**
Hayee, M.I.; Cardakli, M.C.; Sahin, A.B.; Willner, A.E.;
Photonics Technology Letters, IEEE
Volume 13, Issue 8, Aug. 2001 Page(s):881 - 883
IEEE JNL

16. **Standard (NRZ 1/spl times/40 Gb/s, 210 km) and polarization multiplex (CS-RZ, 2/spl times/40 Gb/s, 212 km) transmissions with PMD compensation**
Sandel, D.; Wust, F.; Mirvoda, V.; Noe, R.;
Photonics Technology Letters, IEEE
Volume 14, Issue 8, Aug. 2002 Page(s):1181 - 1183
IEEE JNL

17. **Differential phase-shift keying for high spectral efficiency optical transmissions**
Xu, C.; Xiang Liu; Xing Wei;
Selected Topics in Quantum Electronics, IEEE Journal of

Volume 10, Issue 2, March-April 2004 Page(s):281 - 293

IEEE JNL

18. **1.6-b/s/Hz 160-Gb/s 230-km RZ-DQPSK polarization multiplex transmission with tunable dispersion compensation**
Milivojevic, B.; Abas, A.F.; Hidayat, A.; Bhandare, S.; Sandel, D.; Noe, R.; Guy, M.; Lapointe, M.;
Photonics Technology Letters, IEEE
Volume 17, Issue 2, Feb. 2005 Page(s):495 - 497
IEEE JNL
19. **High-speed bi-directional polarisation division multiplexed optical transmission in ultra low-loss (1.3 dB/km) polarisation-maintaining photonic crystal fibre**
Suzuki, K.; Kubota, H.; Kawanishi, S.; Tanaka, M.; Fujita, M.;
Electronics Letters
Volume 37, Issue 23, 8 Nov 2001 Page(s):1399 - 1401
IEEE JNL
20. **Single-wavelength 40 Gbit/s soliton field transmission experiment over 400 km of installed fibre**
Koltveit, E.; Andrekson, P.A.; Brentel, J.; Olsson, B.E.; Bakhshi, B.; Hansryd, J.; Hedekvist, P.O.; Karlsson, M.;
Sunnerud, H.; Li, J.;
Electronics Letters
Volume 35, Issue 1, 7 Jan. 1999 Page(s):75 - 76
IEEE JNL
21. **Single-channel 40 Gbit/s, 5000 km straight-line soliton transmission experiment using periodic dispersion compensation**
Morita, I.; Suzuki, M.; Edagawa, N.; Yamamoto, S.; Akiba, S.;
Electronics Letters
Volume 33, Issue 8, 10 April 1997 Page(s):698 - 699
IEEE JNL
22. **Bandwidth limits due to polarisation multiplexed soliton interactions**
de Angelis, C.; Wabnitz, S.; Haelterman, M.;
Electronics Letters
Volume 29, Issue 17, 19 Aug. 1993 Page(s):1568 - 1570
IEEE JNL
23. **Investigation of combined wavelength and polarisation division multiplexing in C-band over 50 /spl mu/m multimode fibre links up to 3 km**
Rochat, E.; Walker, S.D.; Parker, M.C.;
Lasers and Electro-Optics Europe, 2003. CLEO/Europe. 2003 Conference on
22-27 June 2003 Page(s):533
IEEE CNF
24. **Transmission of 256 wavelength-division and polarization-division-multiplexed channels at 42.7Gb/s (10.2Tb/s capacity) over 3/spl times/100km of TeraLight/spl trade/ fiber**
Frignac, Y.; Charlet, G.; Idler, W.; Dischler, R.; Tran, P.; Lanne, S.; Borne, S.; Martinelli, C.; Veith, G.; Jourdan, A.;
Hamaide, J.-P.; Bigo, S.;
Optical Fiber Communication Conference and Exhibit, 2002. OFC 2002
17-22 Mar 2002 Page(s):FC5-1 - FC5-3
IEEE CNF
25. **PMD compensation in a 2/spl times/40 Gbit/s, 212 km, CS-RZ polarization multiplexed transmission experiment**
Sandel, D.; Wust, F.; Mirvoda, V.; Noe, R.;
Optical Communication, 2001. ECOC '01. 27th European Conference on
Volume 6, 30 Sept.-4 Oct. 2001 Page(s):74 - 75 vol.6
IEEE CNF



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26. **Polarization evolution in a 107-km dispersion-managed recirculating loop**
Yu Sun; Ding Wang; Sinha, P.; Carter, G.M.; Menyuk, C.;
Lasers and Electro-Optics, 2000. (CLEO 2000). Conference on
7-12 May 2000 Page(s):59
IEEE CNF

27. **Polarization mode dispersion tolerance of bandwidth-efficient multilevel modulation schemes**
Noe, R.; Sandel, D.; Wust, F.;
Optical Fiber Communication Conference, 2000
Volume 2, 7-10 March 2000 Page(s):198 - 200 vol.2
IEEE CNF

28. **Single-wavelength 40 Gb/s soliton field transmission experiments over 400 km fibre without in-line control**
Brentel, J.; Andrekson, P.A.; Kolltveit, E.; Olsson, B.E.; Bakhshi, B.; Hansryd, J.; Hedekvist, P.O.; Karlsson, M.; Li, J.;
Optical Fiber Communication Conference, 1999, and the International Conference on Integrated Optics and Optical
Fiber Communication. OFC/IOOC '99. Technical Digest
Volume 3, 21-26 Feb. 1999 Page(s):121 - 124 vol.3
IEEE CNF

29. **Programmable-dispersion matrix for optical beam-forming network**
Tong, D.T.K.; Wu, M.C.;
Lasers and Electro-Optics, 1996. CLEO '96., Summaries of papers presented at the Conference on
2-7 June 1996 Page(s):245 - 246
IEEE CNF

30. **Single-channel 40 Gbit/s, 5000 km straight-line soliton transmission experiment using periodic dispersion compensation**
Morita, I.; Suzuki, M.; Edagawa, N.; Yamamoto, S.; Akiba, S.;
Optical Communication, 1996. ECOC '96. 22nd European Conference on
Volume 2, 15-19 Sept. 1996 Page(s):191 - 194 vol.2
IEEE CNF

31. **0.8 bit/s/Hz spectral efficiency at 10 Gbit/s via vestigial-sideband filtering**
Yu, C.X.; Chandrasekhar, S.; Zhou, T.; Neilson, D.T.;
Electronics Letters
Volume 39, Issue 2, 23 Jan 2003 Page(s):225 - 227
IEE JNL

32. **Vestigial sideband filtering at 10 Gbit/s using 12.5 GHz channel-spacing demux**
Yu, C.X.; Chandrasekhar, S.; Zhou, T.; Neilson, D.T.;
Electronics Letters
Volume 38, Issue 5, 28 Feb. 2002 Page(s):237 - 238
IEE JNL

33. **100 Gbit/s, 50 km, and nonrepeated optical transmission employing all-optical multi/demultiplexing and PLL timing extraction**
Kawanishi, S.; Takara, H.; Uchiyama, K.; Kitoh, T.; Saruwatari, M.;
Electronics Letters

Volume 29, Issue 12, 10 June 1993 Page(s):1075 - 1077

IEEE JNL

34. **Optical Differential 16-ary Jones-Vector Shift Keying**
Yan Han; Guifang Li;
Quantum Electronics and Laser Science, 2005 Conference
Volume 3, 22-27 May 2005 Page(s):1792 - 1794
IEEE CNF
35. **Polarization multiplexed 2/spl times/20 Gbit/s RZ transmission using interference detection**
Hinz, S.; Sandel, D.; Wust, F.; Noe, R.;
Optical Fiber Communication Conference and Exhibit, 2001. OFC 2001
Volume 3, 2001 Page(s):WM4-1 - WM4-3 vol.3
IEEE CNF
36. **80 Gb/s optical soliton transmission over 80 km with time/polarization division multiplexing**
Iwatsuki, K.; Suzuki, K.; Nishi, S.; Saruwatari, M.;
Photonics Technology Letters, IEEE
Volume 5, Issue 2, Feb. 1993 Page(s):245 - 248
IEEE JNL
37. **Liquid-crystal polarization controller arrays on planar waveguide circuits**
Hirabayashi, K.; Amano, C.;
Photonics Technology Letters, IEEE
Volume 14, Issue 4, April 2002 Page(s):504 - 506
IEEE JNL
38. **Phase noise-tolerant synchronous QPSK/BPSK baseband-type intradyne receiver concept with feedforward carrier recovery**
Noe, R.;
Lightwave Technology, Journal of
Volume 23, Issue 2, Feb. 2005 Page(s):802 - 808
IEEE JNL
39. **Polarisation guiding in ultralong distance soliton transmission**
Widdowson, T.; Lord, A.; Malyon, D.J.;
Electronics Letters
Volume 30, Issue 11, 26 May 1994 Page(s):879 - 880
IEEE JNL
40. **Wideband and ultra-dense WDM transmission technologies toward over 10-Tb/s capacity**
Fukuchi, K.;
Optical Fiber Communication Conference and Exhibit, 2002. OFC 2002
17-22 Mar 2002 Page(s):558 - 559
IEEE CNF
41. **10.2 Tbit/s (256x42.7 Gbit/s PDM/WDM) transmission over 100 km TeraLight/sup TM/ fiber with 1.28 bit/s/Hz spectral efficiency**
Bigo, S.; Frignac, Y.; Charlet, G.; Idler, W.; Borne, S.; Gross, H.; Dischler, R.; Poehlmann, W.; Tran, P.; Simonneau, C.; Bayart, D.; Veith, G.; Jourdan, A.; Hamaide, J.-P.;
Optical Fiber Communication Conference and Exhibit, 2001. OFC 2001
Volume 4, 2001 Page(s):PD25-1 - PD25-3 vol.4
IEEE CNF